PATENT COOPERATION TREATY

INTERNATIONAL SEARCHING AU	JTHORITY				
To: SUSAN M. DADIO BURNS, DOANE, SWECKER & MATHIS, LLP P. O. BOX 1404 ALEXANDRIA, VA 22313-1404		PCT WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY			
·		;			
		(PCT Rule 43bis.1)			
		Date of mailing (day/month/year)]	
Applicant's or agent's file reference		FOR FURTHER ACTION See paragraph 2 below			
034136-017					
International application No.	International filing date	(day/month/year)	Priority date (day/month/year)		
PCT/US05/10219	25 March 2005 (25.03.2				
International Patent Classification (II	C) or both national classificat	ion and IPC			
IPC(7): C07F 5/00 and US Cl.: 534/1	5			1	
Applicant					
LUNA INNOVATIONS INCORPOR	RATED			J	
1. This opinion contains indications	relating to the following item	ıs:			
Box No. I Basis of the opinion					
Box No. II Priority	Priority				
Box No. III Non-es	Non-establishment of opinion with regard to novelty, inventive step and industrial applicability				
Box No. IV Lack of	Lack of unity of invention				
	Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement				
Box No. VI Certain	Certain documents cited				
Box No. VII Certain	Certain defects in the international application				
Box No. VIII Certain					
2. FURTHER ACTION			•		
If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered. If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the					
IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.					
For further options, see Form PCT/ISA/220.					
3. For further details, see notes to Form PCT/ISA/220.					
_	Name and mailing address of the ISA/ US Date of completion of this opinion Authorized officer				
Mail Stop PCT, Attn: ISA/US Commissioner for Patents	26 October 200	5 (26.10.2005)	Sabija Qazi		
P.O. Box 1450 Alexandria, Virginia 22313-1450			Telephone No. (571) 272-1600		

Facsimile No. (703) 305-3230
Form PCT/ISA/237 (cover sheet) (April 2005)

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.	
PCT/US05/10219	

Box No. I Basis of this opinion						
1. With	1. With regard to the language, this opinion has been established on the basis of:					
\boxtimes	the international application in the language in which it was filed					
	a translation of the international application into, which is the language of a translation furnished for the purposes of international search (Rules 12.3(a) and 23.1(b)).					
2. With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:						
a.	type of material					
	a sequence listing					
	table(s) related to the sequence listing					
ъ.	format of material					
	on paper					
	in electronic form					
c.	time of filing/furnishing					
	contained in the international application as filed.					
	filed together with the international application in electronic form.					
	furnished subsequently to this Authority for the purposes of search.					
3. 🗌	In addition, in the case that more than one version or copy of a sequence listing and/or table(s) relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.					
4. Additi	ional comments:					
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WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/US05/10219

Box No. V Reasoned statement under Rule 43 bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement						
1. Statement						
Novelty (N)	Claims 1-20	YES				
	Claims NONE	NO				
Inventive step (IS)	Claims 1-20	YES				
inventive step (15)	Claims NONE	NO				
	G1 : 4.00					
Industrial applicability (IA)	Claims <u>1-20</u> Claims <u>NONE</u>	YES NO				
2. Citations and explanations:						
Claims 1-20 meet the criteria set out in PCT Article invention.	33(2)-(3), because the prior art does not	teach or fairly suggest the claimed				
The references cited do not teach pegylated endohed 19 is not taught by the prior art.	eral metallofullerene as claimed. Simila	rly the process of making as in claims 17-				
Claims 1-20 meet the criteria set out in PCT Article 33(4), and thus have industrial applicability because the subject matter claimed can be made or used in industry.						
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		(i) •				
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